Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/10/2021 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124689	-1	1.30	124587	1.29
Blue	F	SSC	125000	123238	-2	2.19	123561	2.01
Blue	E	FITC	13131	12769	-3	2.36	295	16.55
Blue	D	PE	24112	23732	-2	1.83	543	11.34
Blue	B	PerCP-Cy5-5	31295	30701	-2	3.13	1013	15.10
Blue	A	PE-Cy7	19939	19509	-3	5.25	519	31.13
Red	C	APC	42122	41236	-3	2.90	1730	11.54
Red	A	APC-Cy7	22340	21630	-4	3.15	812	12.08
Violet	B	V450	7410	7036	-6	3.24	426	12.24
Violet	A	V500	28118	27075	-4	2.81	676	9.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23187	1.56	573	4	N/A	N/A	Pass
Blue	F	SSC	57407	1.07	523	11	N/A	N/A	Pass
Blue	E	FITC	54	58.52	490	3	0.0368	199	Pass
Blue	D	PE	114	38.92	493	5	0.3618	311	Pass
Blue	B	PerCP-Cy5-5	187	38.48	590	4	0.0186	121	Pass
Blue	A	PE-Cy7	104	69.05	632	4	0.0187	0	Pass
Red	C	APC	400	24.03	580	4	0.0266	144	Pass
Red	A	APC-Cy7	181	28.05	555	4	0.0056	747	Pass
Violet	B	V450	60	62.17	463	10	0.0661	2407	Pass
Violet	A	V500	98	33.76	475	10	0.0267	870	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.30	0.98
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.49	13.60 - 20.40	N/A	N/A	29.65	30.02	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9782

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments